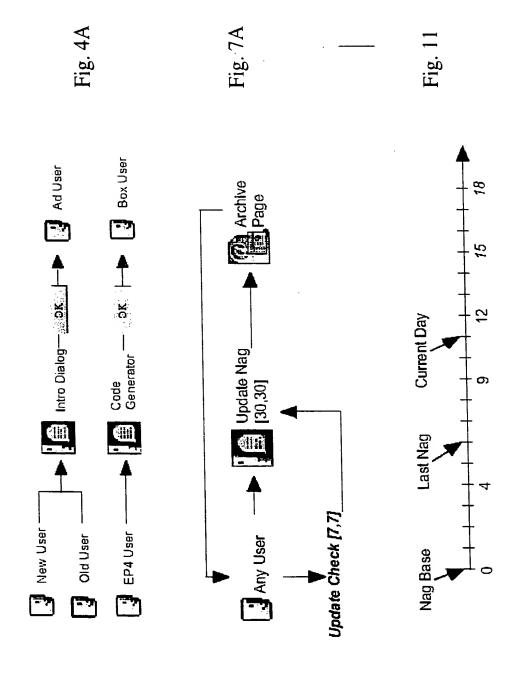


Fig. 3A

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Fig. 3B.



Welcome to Eudoral

Eudora is now licensed in three ways; Sponsored Mode, Paid Mode, and Light Mode. Unless you change modes, Eudora will run in Sponsored Mode, meaning it will display ads.

We have done our best to present the ads in a way that respects the work you do in email. By allowing Eudora to display ads, you get the full power of Eudora for free and we can still pay our bills.

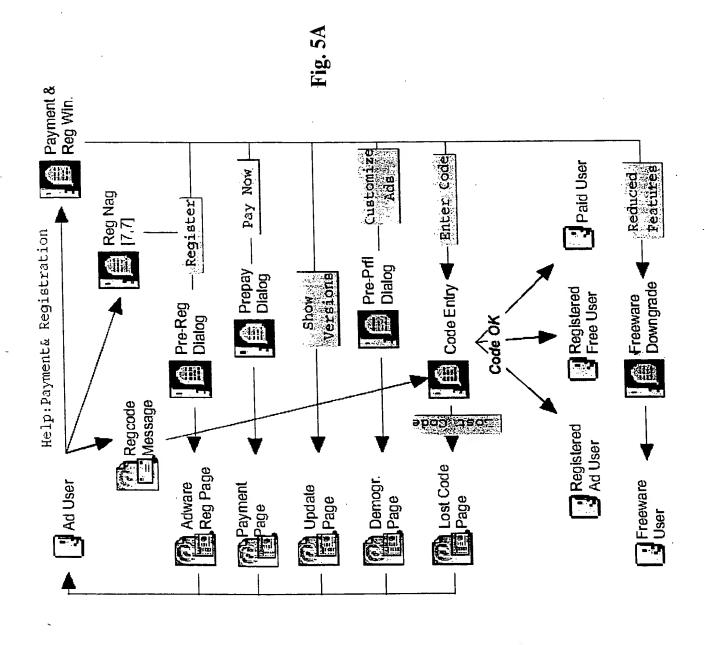
If you decide the ads are not for you. You can change modes. Paid Mode shows no ads. Current Eudora Pro 4x users will be able to upgrade to Paid Mode follows. Other users will be able to pay a license fee to go to Paid Mode. At this stage in testing, the machinary for Paid Mode is not fully tested, and Paid Mode is unavailable. Light Mode also shows no ads, but has many fewer features.

To switch forms of Eudora, please use the "Payment. & Registration" item in the Help menu. To learn more about the three modes, click on the "Tell Me. More" button below

Tell me more

OK

Fig. 4B



•

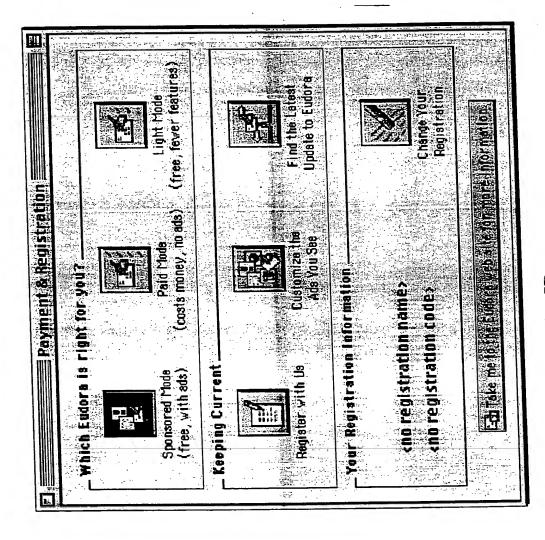


Fig. 5B

Would you like to register your copy of Eudora? As a registered user of Eudora we won't had you as often as we do. We'll also erect a giant statue in your Image on the front lawn of our corporate headquarters (*). How cool is that? C'mon register it stunend easy! (* Giant statue offer void on the planet Earth) (* Giant statue offer void on the planet Earth) (* Giant statue offer void on the planet Earth)	A Company of the Comp	e do. We'll also rporate			ration plage
like to register y statue in your Image o (*). at? C'mon register ue offer void on the pl		our copy or tudors (- on the you as often as v nthe front lawn of our co	T. S. T. C. D. C.	anet Earth)	akemeto the regist
WILL # 2		od user of Eudora we we statue in your Image o	headquarters (*). How cool is that? C'mon register	ue offer void on the O	Maybe later

Fig. 5(

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The state of the s	
Thanks for choosing to register Eudora!	
You'll next be welked through a few quick steps, as described below.	ow, before
registration is complete: • Eudora Will open your web browser and take you to our registration	egistration
• You'll fill in some simple registration information on the web site.	e Website
Well then emeil a Finional Stration Code back to you	
• The next time you check mall studens will butonially lightling to the confirm your	
registration information	
→ Tarkal You'll then herome a redustered user of Eudora Thanks	Thanks
	continue
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Fig. 5I

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Fig. 5E

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Thank you for your registrat ion! To complete your registration, please enter the name you under and your registration code below.
The exact name you registered under:
First Name: Last Name:
John
Your registration code:
48925-89A2-B1149
Lost the Code
The state of the s

Fig. 5F

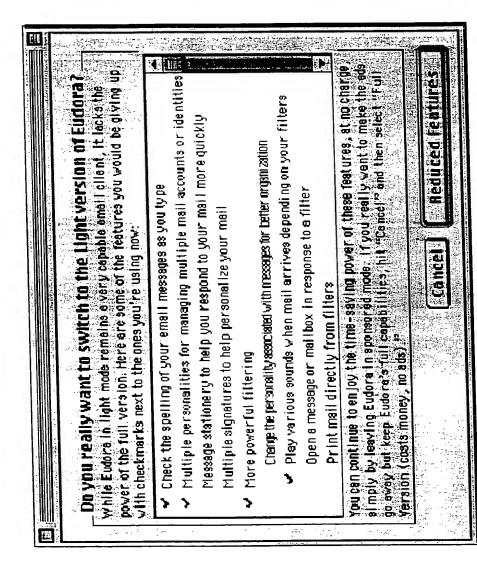
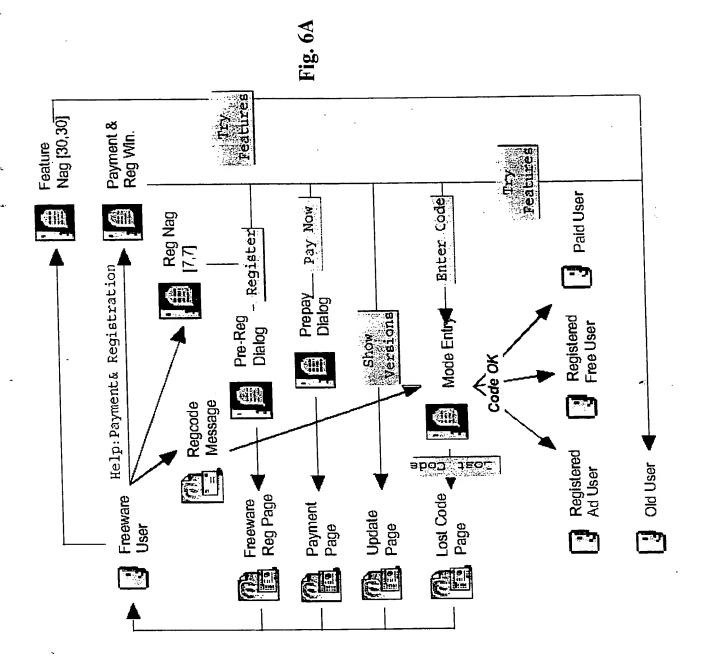


Fig. 5G



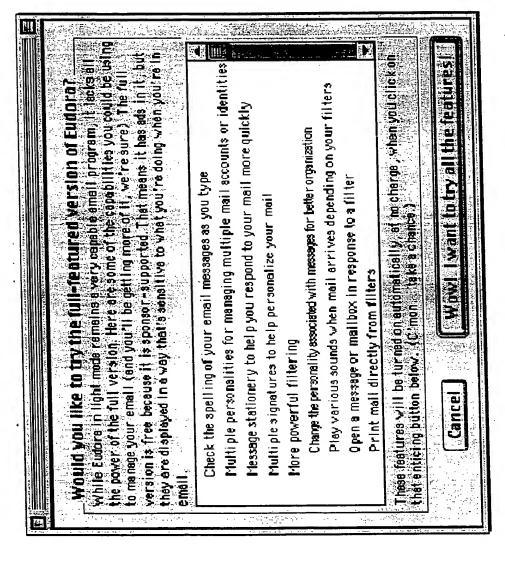


Fig. 6B

There are updates available to Eudora

You have Eudora version 4.1. The following updates have become a since this version was released. If you'd like more information any of these updates, simply follow the links. If you'd rather you of updates, follow this.

Endora 5.3

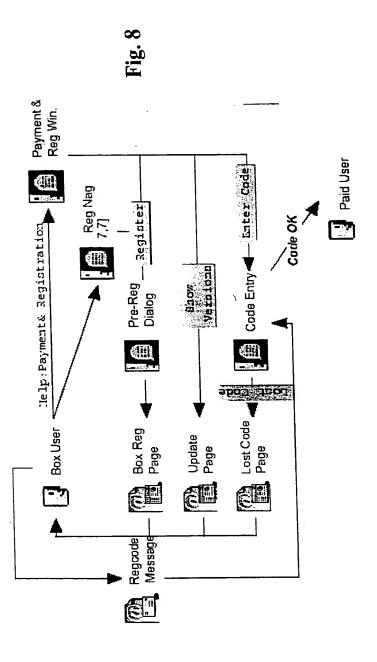
This is a major upgrade, with great new features like automatic.

This update is mostly bug fixes. This update is free to you.

Printed Karual

You can buy a printed marual for Endora.

Fig. 7B



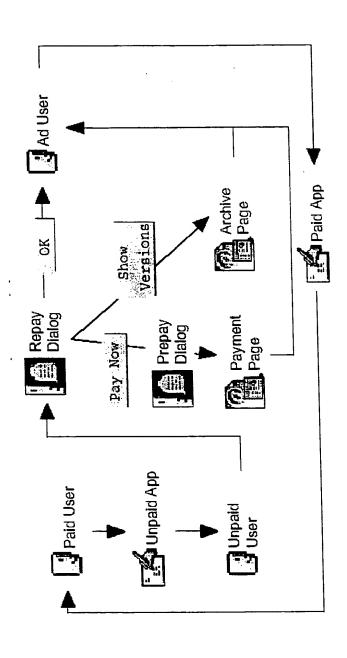


Fig. 9

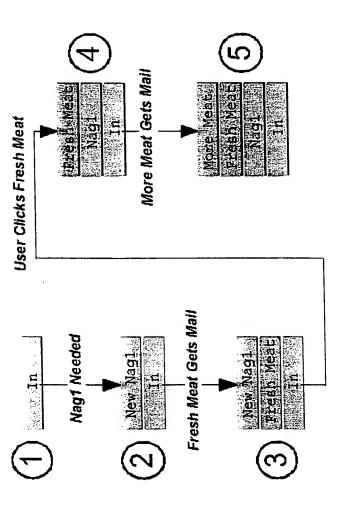


Fig. 10

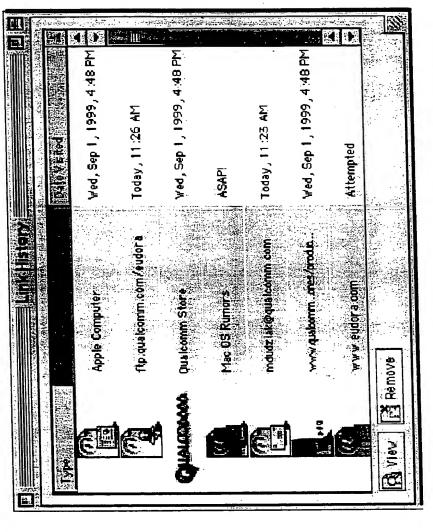


Fig. 12A

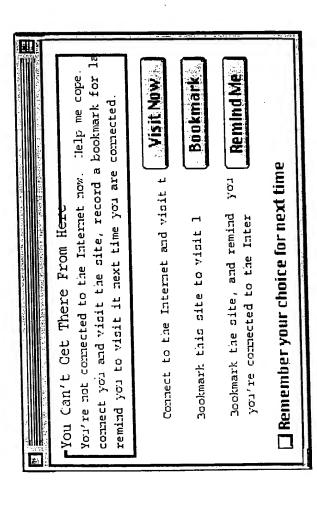


Fig. 12B

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Fig. 13A

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Fig. 13B

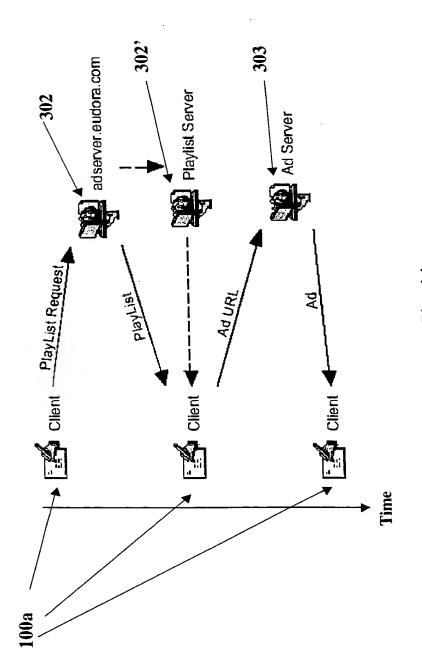


Fig. 14

```
// Main ad scheduler
ScheduleMain
// Has a new day dawned?
Do CheckForNewDay
// Are we are within the current ad's showFor?
if ( ad.thisShowTime < ad.showFor )</pre>
// there is nothing to be done
return
// At this point, we know that we need a new ad
// Perform housekeeping tasks on the old one.
Do AdEndBookkeeping
// Pop out of a block if all ads on par
if ( block isn't all playlists )
find ad with minimum ad.numberShown
if ( ad.numberShown >= blockGoal )
set block to all playlists
}
// If we are over our quota of regular ads for the day,
// look for a runout
if ( adFaceTimeToday > faceTimeQuota )
Do ShowARunout
else
 {
Do ShowARegularAd
 // end ad schedule main
```

```
// We must perform certain tasks when the calendar day
changes.
CheckForNewDay
{if ( the calendar day has changed )
// Perform housekeeping tasks on the ad currently showing
Do StopShowingCurrentAd
// Runout ads are charged for a full showFor if they've been
shown
// at all on a given day. Charge any runout ads if they've
been
// shown at all.
for runout ads
if ( ad.thisShowTime > 0 )
ad.totalTimeShown += ad.showFor
ad.thisShowTime = 0
}
}
// Now, reset the counters for all ads to reflect the fact
that
// a new day has dawned.
for all ads
{
ad.numberShownToday = 0
// Record yesterday's facetime
// Might not literally be yesterday, be sure to use
// whatever day the app was last run on
set old current day's facetime to totalFaceTimeToday
// and reset our global regular ad facetime counter
adFaceTimeToday = 0
totalFaceTimeToday = 0
 // if we were in a block, back out
 set block to all playlists
 }
 }
 // end CheckForNewDay
```

```
// This function shows a runout ad, and if it
.// can't find one, goes to a rerun
ShowARunout
for runout ads
// has the ad been flushed?
if ( ad.flushed )
try next ad
// are we done showing this runout today?
if ( ad.numberShownToday > ad.dayMax )
try next ad // this one's used up for the day
// are we done showing this runout for ever and ever?
if ( ad.shownFor > ad.showForMax )
try next runout ad // this one's used up forever
 // are we between the ad's start and end dates?
if ( ad.startDate < the current date < ad.endDate )</pre>
try next runout ad
 // the ad is not supposed to run today
 // do we actually HAVE the ad?
 if ( ad has not been downloaded )
ask for ad to be downloaded
 try next ad
 }
 // ok, we believe we should show this runout
 // we are now in runout state
 Do ShowAnAd
 return
 // if we haven't found a runout ad, we will go to "rerun"
 state
 Do ShowARerun
 // end ShowARunout
```

```
// Rerun state. Look for a regular ad to rerun
ShowARerun
for regular ads [ in current block ]
// has the ad been flushed?
if ( ad.flushed )
try next ad
// is this ad recent enough to rerun?
if ( ad.lastShownDate is older than returnInterval )
try next ad
// this one is too old to rerun
// if in block, show ads only if it's their "turn"
if ( ad.numberShownToday >= blockGoal )
try next ad // need to find a friend in this block
// are we between the ad's start and end dates?
if ( ad.startDate < the current date < ad.endDate )
try next ad
// the ad is not supposed to run today
// do we actually HAVE the ad?
if ( ad has not been downloaded )
 ask for ad to be downloaded
 try next ad
 }
 // ok, at this point we can show this ad, but because
 // we're in rerun, we don't keep the books
 Do ShowAnAd
 return
 // if we get here, we have no ads to show. Punt.
 return
 // end ShowARerun
```

```
// Show a regular ad
ShowARegularAd
{
for regular ads [ in current block ]
// has the ad been flushed?
if ( ad.flushed )
try next ad
// are we done showing this ad today?
if ( ad.numberShownToday > ad.dayMax )
try next ad // this one's used up for the day
// if in block, show ads only if it's their "turn"
if ( ad.numberShownToday >= blockGoal )
try next ad // need to find a friend in this block
// are we done showing this ad for ever and ever?
if ( ad.shownFor > ad.showForMax )
try next ad // this one's used up forever
 // are we between the ad's start and end dates?
 if ( ad.startDate < the current date < ad.endDate )</pre>
 try next ad
 // the ad is not supposed to run today
 // do we actually HAVE the ad?
if (ad has not been downloaded)
 ask for ad to be downloaded
 try next ad
 }
 // ok, we believe we should show this ad
 // we are now in regular state
 Do ShowAnAd
 return
 // If we get here, we have failed to find a regular
 // ad. Go to runout
 Do ShowARunout
```

// end ShowARegularAd

```
// Perform necessary housekeeping when we're taking
// down an ad
AdEndBookkeeping
// In rerun state, we don't do any bookkeeping
if ( in RerunState )
return
// Account for at most ad.showFor seconds, provided
// we've shown the ad for at least ad.showFor seconds
// Note that this means we don't charge for time beyond
// ad.showFor seconds, which is important
if ( ad.thisShowTime >= ad.showFor )
ad.numberShownToday += ad.showFor
 ad.shownFor++
 // we do NOT reset this Show Time here, we do it in
 // AdStartBookkeeping. It actually doesn't matter where
 // we do it, provided we are careful NOT to do it for
 // runout ads.
 }
 // end AdEndBookkeeping
```

```
// Show an ad, including bookkeeping and block handling
ShowAnAd
{
// If the ad is in a block, notice that
if ( it's in a "block" playlist )
if ( not currently in a block )
find ad in block with minimum numberShown
make that our ad
set blockGoal to minimum numberShown+1
set current block to this playlist
}
 // now do bookkeeping
Do AdStartBookkeeping
 // and actually show it
 Do DisplayThatAd
 }
```

Fig. 15H

		Q.	Persistent Ads
		•	
PlayList Request	Request		
			faceTime; Used to determine how much advernising
			to send to client
			faceTimeLeft Not used
PlavList	PlayList Response ClientInfo	ClientInfo	
		•	reginterval Relatively large: one or more days
			flush Used. Single playlist completely specifies
			list of ads client should have
PlavList	Response	PlayList Response Scheduling Parameters	Parameters
			showForMax Not used

Fig. 16A

PlayList Request	
PlayList Response Clientinfo	
PlayList Response ClientInfo	race time Not used facetime fow many ads client faceTimeLeft Used to determine how many ads client should receive
	reqinterval Not used. Instead, client requests new playilist whenever ads "run low".
	pesn toN justing
PlayList Response Scheduling Parameters showForMax	ng Parameters showForMax Used to determine how long an ad runs

Fig. 16B

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ing i Ayu gikodasingsionak ao	Eudora doesn't seem to be getting ads.	for some reason, Eudora is unable to download new ads. Downloading and displaying ads is a requirement for the free full-festured version of Eudora	Please visit the Eudora web site for Information about 10w to recommend and state and		If ad downloading continues to fall Eudoro VIII eventual revert to the Light version which is less poverful.	Take me to the Eudora web site	
sacra Desagnación de Color de	to be ge	able to do. nt for the f	te tor into	Invalid HTTP request (Error code 503)	es to fail on which	TAKE	
DIEAR ACE.	't seem	udora is ur requireme	lora webse	uest (Erro	ght versi		ī
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er engales in the	Eudor	for some dispilayir	Please vi	Invalid	revert		

Fig. 17A



something seems to be covering the ad.

it's probably inadvertent, but Eudora has determined that you are covering up all or a significant portion of an ad. The sortware is designed to notify you when this happens in the hopes that you will stop covering up the ad. If you don't, this window will keep popping up (which you will probably find quite annoying)

We've always got some good stuff under development back at the home office, and it's the advartising in Eudora that enables us to continue to develop the software while providing it to you for free. We've worked hard to make sure the advartising isn't annoying and we genuinely hope that you are not deliberately advertising to cover the ads because fley're bothering you. Of course, you can choose to pay us for Eudora by choosing "Payment & Registration" from the "Help" menuand clicking on "Paid Full Yersion." Or you can remove whetever is obscuring the ad.



Fig. 171

Eudora will now revert to a less powerful version.

Eudora has been unable to download ads for quite some time and will now revert to a less powerful version.

If you would like more information about why Eudora's features are being reduced at this time, please visit the Eudora's version can be reactivated.

We're sorry for this inconvenience.

Take me to the Eudora Web site.

Fig. 17C

Generate Ind If you're open to helping us this way, all you have to do is click "Generate infoll below and a message will be created. You can review the contents of the message if you like. We value our privacy; we're pratty sure you value yours. So we want you to know what we'll be collecting and give you a chance to eliminate anything you don't want to send. Send. Simply uncheck the boxes next to any information you'd rather not send. people use it. We ask users for this information at random. Looks il ke it s your luth In order to make Eudora work as well as possible, It's important that we know low Pigese understand that as soon as we receive your email. Ve vill throw away the headers that identify the mail as coming from you 'You see, ve don't ectually need know who you are to find your information helpful So we promise to protect you Your Net/Eudora usage it's ok to transmit statistics regarding. We'd like to know how you use Eudora and then send it to us or not -- that's up to you. privacy and furn you into "Just a number." Y Your demographic data

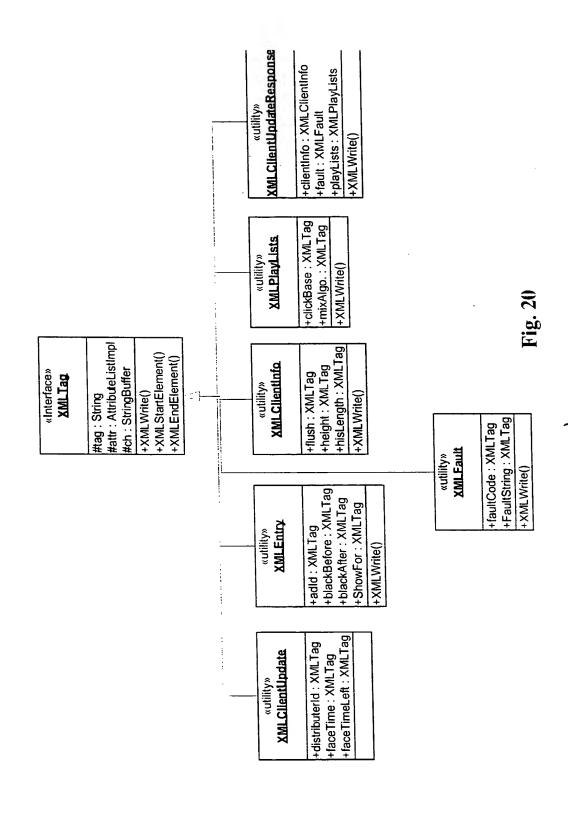
K Advertisement Information

Non-personal settings

Fig. 18A

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Fig. 19



8 The list of available ads advantageously can be built from the following query:

ads = dbCon.prepareStatement("SELECT * FROM ads WHERE StartDate <= today AND endDate >= today + 30 AND AdType = "I" AND AdStatus = "A" AND ImpressionsServed < Impressions ORDERD BY ImpressionsServed ASC);

30 AND AdType = "R" AND AdStatus = "A" AND ImpressionsServed < Impressions ORDERD BY ImpressionsServed run out ads = dbCon.prepareStatement("SELECT * FROM ads WHERE StartDate <= today AND endDate >= today +

8 The time required to deliver the ads advantageously can be calculated in the following manner.

face time left for today [seconds] = faceTime[today] - faceTimeUsedToday

(Comment: Face time left for today is the number of secondes the servict can use to deliver special ads today.)

 $predict\ face\ time\ [seconds] = SUM(\ faceTime\ [tomorrow],\ faceTime\ [tomorrow+1], ...\ faceTime\ [tomorrow+reqInterval]$

(Comment: Predict face time is the number of seconds the servlet predicts the user is going to have.)

goal show time left [seconds] = predict face time - faceTimeLeft

(Comment: Goal show time left is the number of seconds that the software provider needs to fill with ads.)

Fig. 21/

```
* Targeting

while (face time left for today ) {
    if ad is not in the history {
        select ad [according to target = today]
        face time left for today -= ad.showFor
    }

next ad

while (Goal show time left ) {
    if ad is not in the history {
        select ad [according to target]
        goal show time left -= ad.showFor
    }

befault values:
    reqInterval = 1 day.
    facetime = 30 minutes
    facetime = 30 minutes
    facetime = 31 days

histLength = 31 days
```

Fig. 211

	«Interface» PlayListServit	-dbm : DBManag	+doGet() +doPost() +Init() +destroy()			
«utility» Play ListRequest	+"com.jdark.xml.sax.Driver" : String +handleRequest(input : InputSource, ClientUpdate : XMLClientUpdate) : boolean	«utility» PlayListResponse	+playlistResponse: XMLClientUpdateResponse	«utility» PlayListsGenerator	+dbm : DBManager +generate(clientUpdate : XMLClientUpdate, clientUpdateResponse : XMLClientUpdateResponse) : boolean	«Interface» DBManager

Fig. 22

-dbName: String
-dbLocation: String
+openConnection(): boolean
+getConnection(): Connection
+exeSQL(startDate: SQLDate): boolean

